

1/27/06

09/849, 967

Amendments to Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method of modifying an activity of at least one human or avian hnRNP A protein within at least one cell, which comprises the steps of:

introducing into the cell a plurality of RNA polynucleotide sequences comprising ~~consisting essentially of~~ FGFR2 exon 8 sequences capable of binding to the hnRNP A protein; and

interacting the RNA polynucleotide sequences with the hnRNP A protein within the cell, wherein the RNA polynucleotide sequences compete with at least one endogenous RNA sequence for interacting with the hnRNP A protein.

2. (previously presented) The method of Claim 1, wherein the polynucleotide sequences are introduced into the cell by electroporation.

3. (previously presented) The method of Claim 1, wherein the polynucleotide sequences are introduced into the cell by applying the polynucleotide sequences to a surface of the cell.

introducing into the cell a plurality of RNA polynucleotide sequences comprising ~~consisting essentially of~~ FGFR2 exon 8 sequences capable of binding to the hnRNP A1 protein; and

interacting the RNA polynucleotide sequences with the hnRNP A1 protein within the cell, wherein the RNA polynucleotide sequences compete with at least one endogenous RNA sequence for interacting with the hnRNP A1 protein.

30. (previously presented) The method of Claim 29, further comprising the step of determining an effect on RNA processing by monitoring at least one resulting phenotypic characteristic selected from the group consisting of abnormal skin, cell, tissue, organ, vertebral body, neural tissue, skeletal, and limb development.

Claims 31-55 (canceled)

56. (previously presented) The method of Claim 1, wherein the hnRNP A protein is selected from the group consisting of hnRNP A1 protein, hnRNP A1^B protein, and hnRNP A2 protein.

57. (currently amended) A method of modifying an activity of at least one human or avian hnRNP A protein within at least one cell, which comprises the steps of:

introducing into the cell a plurality of RNA polynucleotide sequences comprising ~~consisting essentially of~~ at least one intronic splicing silencer, wherein